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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Melissa A. Petruska et al.      Docket No.: S-100,641  
Serial No.: 10/715,806      Examiner: T. Kugel  
Filed : 11/17/2003      Art Unit: 1712  
For : NANOCRYSTAL/SOL-GEL NANOCOMPOSITES  
Customer No. 35068

Mail Stop Amendment  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT/RESPONSE**

Sir:

In response to the Office Action dated November 10, 2005, please enter the following amendments to the Specification and Claims, and consider the accompanying remarks.

Amendments to the Claims are reflected in the listing of claims which begins on page2 of this paper.

Remarks/Arguments begin on page 6 of this paper.

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**CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8(a))**

I hereby certify that this correspondence is, on the date shown below, being:

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